Improving Colby Lake

Clean Water Funds: 2012

Clean Water Grant	$156,645
Leveraged Funds*	$50,000
Total Project Budget	$206,645

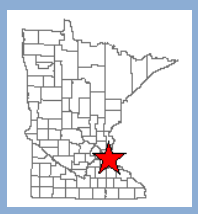
*** Leveraged Funds include**

Targeted Water:
Colby Lake

Project Sponsor:
South Washington Watershed District

Grant Period:
January 2012—December 2014

Project Contact:
John Loomis
651/714-3714
jloomis@ci.woodbury.mn.us
www.swwdmn.org



C12-119 - Clean Water Assistance

Project Narrative

In partnership with the Washington Conservation District and City of Woodbury, this project will improve water quality in Colby Lake through implementing 30 priority small-scale water quality conservation practices. Projects may include bioretention, vegetated swales and pond modifications. Priority projects were identified as part of the Colby Lake Watershed Retrofit Assessment and represent the most cost-effective means to reduce excess phosphorus loads that have impacted Colby Lake.

This project is the first phase of a multi-phase effort.The target area for this project is the immediate drainage area on the west side of the lake. The conservation practices for this phase will be integrated into a planned street re-surfacing project in Woodbury which will reduce installation costs. Based on the Colby Lake Management Plan, phosphorus loading from the targeted area must be reduced by appriximately 11 pounds per year. This project is expected to achieve the phosphorus reduction goal.

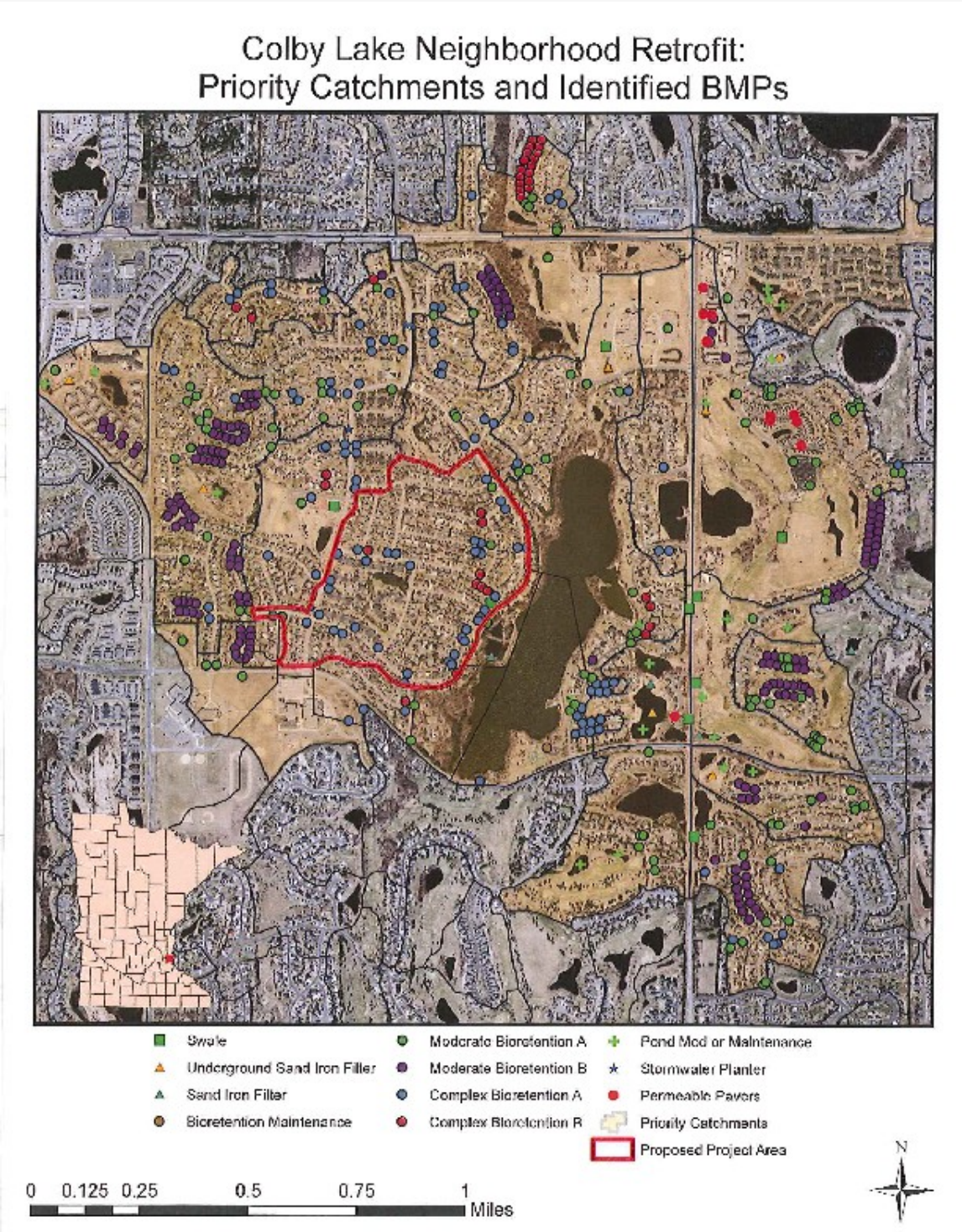
Proposed Outcomes:

30 Priority Water Quality conservation practices - Colby Lake

Proposed Reductions: 5 acre feet/year Hydrology, 11 lbs/year Phosphorus and 2 tons/year Sediment

Actual Outcomes:

Project in Progress


Colby Lake Neighborhood Retrofit:
Priority Catchments and Identified BMPs
Swale
Underground Sand Iron Filter
Sand Iron Filter
Bioretention Maintenance
Moderate Bioretention A
Moderate Bioretention B
Complex Bioretention A
Complex Bioretention B
Pond Mod or Maintenance
Stormwater Planter
Permeable Pavers
Priority Catchments
Proposed Project Area
0 0.125 0.25 0.5 0.75 1
Miles
N